

A B S T R A C T

A nonaqueous electrolyte secondary battery is provided of which charge cutoff voltage can be set at 4.3 V or above without 5 deterioration of charge-discharge cycle characteristics and thermal stability to thereby increase a charge-discharge capacity.

The nonaqueous electrolyte secondary battery includes a positive electrode containing a positive active material, a 10 negative electrode containing a negative active material and a nonaqueous electrolyte. Characteristically, the positive active material comprises a mixture of a lithium transition metal complex oxide A obtained by incorporating at least Zr and Mg into LiCoO_2 and a lithium transition metal complex oxide B having 15 a layered structure and containing at least Ni and Mn as the transition metal.